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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/914,437	08/27/2001	Yu Shing So	P/3987-4	3998

2352 7590 11/13/2003

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NEW YORK, NY 100368403

EXAMINER

CHIN SHUE, ALVIN C

ART UNIT	PAPER NUMBER
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3634

DATE MAILED: 11/13/2003

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Applicati n No.

09/914,437

Applicant(s)

SO, YU SHING

Examin r

Alvin C. Chin-Shue

Art Unit

3634

-- The MAILING DATE of this communication appears on th cover sheet with the corresp ndence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 22 August 2003.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 31-39 and 42-47 is/are pending in the application.
- 4a) Of the above claim(s) 31-39, 46 and 47 is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 13-22 and 42-45 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. §§ 119 and 120

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. _____.
 - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.
- 13) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application) since a specific reference was included in the first sentence of the specification or in an Application Data Sheet. 37 CFR 1.78.
- a) ☐ The translation of the foreign language provisional application has been received.
- 14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121 since a specific reference was included in the first sentence of the specification or in an Application Data Sheet. 37 CFR 1.78.

Attachment(s)

- 1) ☐ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO-1449) Paper No(s) _____
- 4) ☐ Interview Summary (PTO-413) Paper No(s). _____
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 13,16,19 and 20 are rejected under 35 U.S.C. 102(b) as being clearly anticipated by Moore.

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claims 13-22 and 42-45 are rejected under 35 U.S.C. 103(a) as being unpatentable over Wang in view of Moore or Whittier. Wang show the claimed member with the exception of the claimed medium. Moore and Whittier both show sand applied mediums. It would have been obvious to one of ordinary skill in the art at the time the invention was made to provide the member of Wang with a sand applied medium as claimed, to enable a non-skid surface. Furthermore, to provide three layers of his fiber 52, and to repeat his layered sequence, as desired, to enhance the structural integrity of his member, would have been an obvious mechanical expedient.

Claims 14,15,18, and 42 are rejected under 35 U.S.C. 103(a) as being unpatentable over Moore in view of Wang. Moore shows the claimed member with the exception of his pipe 10 being of a wound reinforcement. Wang shows a pipe substrate formed from wound reinforcement. It would have been obvious to one of ordinary skill in the art at the time the invention was made to modify the member 10 of Moore to be constructed of a wound reinforcement to facilitate manufacturing. Furthermore, to provide three layers of his fiber 52, and to repeat his layered sequence, as desired, to enhance the structural integrity of his member, would have been an obvious mechanical expedient.

Claims 18,42, and 44 are rejected under 35 U.S.C. 103(a) as being unpatentable over Wang and either Moore or Whittier as applied above, and further in view of either Bailey or Pierpont. Bailey in fig 13 and Pierpont teach the repeating of alternate different layers to enhance the structural integrity of their members. It would have been obvious to one of ordinary skill in the art at the time the invention was made to modify Wang to repeat his different layers as needed depending on the structural integrity needed.

Applicant's arguments filed 8.22.03 have been fully considered but they are not persuasive. With respect to Moore, the claimed invention does not recites any

limitation to preclude Moore's pipe from being a member of a scaffolding. With respect the combination of Wang with Moore, the difference to be resolved between Wang and the claimed invention is that of a roughened surface to enable a frictional gripping surface. Both Moore and Whittier teach the use of a roughened surface as a means to provide a frictional gripping surface, thus both Moore and Whittier are analogous arts, and it is proper for one of ordinary skill in the art to appreciate the teachings of analogous arts to resolve the difference at hand. Thus the modification is deemed proper.

Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire **THREE MONTHS** from the mailing date of this action. In the event a first reply is filed within **TWO MONTHS** of the mailing date of this final action and the advisory action is not mailed until after the end of the **THREE-MONTH** shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however,

will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Alvin C. Chin-Shue whose telephone number is 703-308-2475. The examiner can normally be reached on Monday-Friday, 8:00 a.m. - 4:30 p.m..

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Daniel P. Stodola can be reached on 703-308-2686. The fax phone number for the organization where this application or proceeding is assigned is 703-305-3597.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 703-3008-1113.

A handwritten signature in black ink, appearing to read 'Alvin C. Chin-Shue', with a long horizontal line extending to the right.

Alvin C. Chin-Shue
Primary Examiner
Art Unit 3634

ACS